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IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

APPLICANTS: Dan Meisburger, Alan D. Brodie, Zhong-Wei Chen, Jack Y. Jau,  
Paul Sandland, Richard Simmons, Dave E. A. Smith, Hans Dohse,  
Dennis G. Emge, John Greene, Lee Veneklasen, Ming-Yie Ling,  
Surendra G. Lele, Kirkwood Rough

APPLICATION NO.: 10/801,362

FILING DATE: March 15, 2004

TITLE: Inspecting Optical Masks With Electron Beam Microscopy

EXAMINER: Unknown

GROUP ART UNIT: 1756

ATTY. DKT. NO.: 22120-08965

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below:

Dated: November 04, 2004

By: Laura Majerus  
Laura A. Majerus, Reg. No. 33,417

COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**2<sup>nd</sup> REQUEST FOR CORRECTED FILING RECEIPT**

SIR:

Enclosed is a copy of the Official Filing Receipt. It contains the following errors:

1. The middle initial of applicant Surendra G. Lele is omitted. The correct name of the applicant is Surendra G. Lele, as evidenced by last page of the Declaration of the parent application, a copy of which is attached.

2. The above-referenced application is a continuation of pending serial no. 09/502,534, filed on February 10, 2000; the subject matter of the present reissue is related to co-

ending reissue serial no. 09/502,120, filed on February 10, 2000. Serial nos. 09/502,534 and 09/502,120 are each a reissue application for patent no. 5,717,204 issued February 10, 1998 (application no. 08/606,854 filed February 26, 1996), which is a continuation of 08/252,763 which is a CIP of 07/889,460, as evidenced by the third page of the Preliminary Amendment filed March 15, 2004 in this matter, a copy of which is enclosed.

This Filing Receipt should be corrected to indicate the middle initial of applicant Surendra G. Lele and the missing Continuing Data that this application "is a CON of 09/502,534 filed 02/10/2000, which is a REI of 08/606,854...."

Please issue a corrected Filing Receipt rectifying this error.

Respectfully submitted,  
DAN MEISBURGER, ET AL.

Dated: November 04, 2004

By: Laura Majerus  
Laura A. Majerus, Reg. No. 33,417  
Fenwick & West LLP  
Silicon Valley Center  
801 California Street  
Mountain View, CA 94041  
Tel.: (650) 335-7152  
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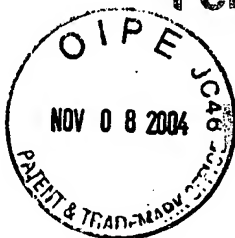


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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/801,362	03/15/2004	1756	2254	22120-08965	20	57	10

Laura A. Majerus, Esq.  
Finwick & West LLP  
Two Palo Alto Square  
Palo Alto, CA 94306



OCT 25 2004

Received

CONFIRMATION NO. 4849

CORRECTED FILING RECEIPT



\*OC000000014162488\*

Date Mailed: 10/21/2004

Receipt is acknowledged of this reissue Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Dan Meisburger, San Jose, CA;  
Alan D. Brodie, Palo Alto, CA;  
Zhong-Wei Chen, San Jose, CA;  
Jack Y. Jau, Los Altos Hills, CA;  
Paul Sandland, Residence Not Provided;  
Richard Simmons, Los Altos, CA;  
David E. A. Smith, San Mateo, CA;  
Hans Dohse, Sunnyvale, CA;  
Dennis D. Emge, Naperville, IN;  
John Greene, Residence Not Provided;  
Lee Veneklasen, Castro Vally, CA;  
Ming-Yie Ling, Saratoga, CA;  
G, Surendra Lele, Cupertino, CA;  
Kirkwood Rough, Residence Not Provided;

**Power of Attorney:**

Laura Majerus-33417  
Trinidad Arriola-Kern-44012

**Domestic Priority data as claimed by applicant**

This application is a REI of 08/606,854 02/26/1996 PAT 5,717,204  
which is a CON of 08/252,763 06/02/1994 ABN  
which is a CIP of 07/889,460 05/27/1992 ABN

**Foreign Applications**

**If Required, Foreign Filing License Granted: 08/04/2004**

**The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/801,362****

**Projected Publication Date:** None, application is not eligible for pre-grant publication

**Non-Publication Request:** No

**Early Publication Request:** No

**Title**

Inspecting optical masks with electron beam microscopy

**Preliminary Class**

430

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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# REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)  
4765

As a below named inventor, I hereby declare that:  
My residence, post office address and citizenship are stated below next to my name.  
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,717,204, granted February 10, 1998, and for which a reissue patent is sought on the invention entitled Inspecting Optical Masks With Electron Beam Microscopy the specification of which

☐ is attached hereto.

☒ was filed on February 10, 2000 as reissue application number 09/ 502,534 and was amended on \_\_\_\_\_ (If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.  
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

- ☐ by reason of a defective specification or drawing.  
☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.  
☒ by reason of other errors.

At least one error upon which reissue is based is described as follows:

**My intent to claim all disclosed embodiments of the invention was not carried out through the course of prosecution of unnecessarily restricted claims by my former attorney of record.**

[Page 1 of 2]

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)  
**4765**

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name(s) Registration Number

Laura A. Majerus 33,417

Trinidad Arriola Kern 44,012

Correspondence Address: Direct all communications about the application to:

☐ Customer Number

OR

Type Customer Number here

Place Customer Number Bar  
Code Label here

<input checked="" type="checkbox"/> Firm or Individual Name	<b>Fenwick &amp; West LLP</b>				
Address	<b>Two Palo Alto Square</b>				
Address					
City	<b>Palo Alto</b>	State	<b>CA</b>	ZIP	<b>94306</b>
Country	<b>U.S.A.</b>				
Telephone	<b>(650) 494-0600</b>	Fax	<b>(650) 494-1417</b>		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)  
**Dan Meisburger**

Inventor's signature

Residence **1507 Montalban Drive**  
**San Jose, CA 95120-4830**

Date

Post Office Address

Citizenship

Full name of second joint inventor (given name, family name)  
**Alan D. Brodie**

Inventor's signature

*Alan D. Brodie*

Date

*9/7/00*

Residence **998 Van Auken Circle**  
**Palo Alto, CA 94303**

Citizenship

Post Office Address

Full name of third joint inventor (given name, family name)  
**Zhong-Wei Chen**

Inventor's signature

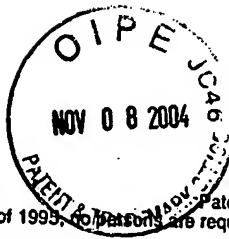
Date

Residence **1561 Blaney Avenue**  
**San Jose, CA 95129**

Citizenship

Post Office Address

☒ Additional joint inventors are named on separately numbered sheets attached hereto.



Please type a plus sign (+) inside this box → ☐

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet Page <u>1</u> of <u>4</u>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
Jack Y.		Jau			
Inventor's Signature	<i>Jack Jau</i>			Date	9/5/2004
Residence: City	Los Altos Hills	State	CA	Country	U.S.A.
Post Office Address	11020 Magdalena Road				
Post Office Address					
City	Los Altos Hills	State	CA	ZIP	94024
				Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
Paul		Sandland			
Inventor's Signature				Date	
Residence: City		State		Country	
Post Office Address					
Post Office Address					
City		State		ZIP	
				Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
Richard		Simmons			
Inventor's Signature				Date	
Residence: City		State		Country	
Post Office Address					
Post Office Address					
City		State		ZIP	
				Country	

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S) Supplemental Sheet</b> Page <u>2</u> of <u>4</u>
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Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
Dave E. A.				Smith			
Inventor's Signature	<i>Dave E. A. Smith</i>			Date		9/6/00	
Residence: City	San Mateo	State	CA	Country	USA	Citizenship	USA
Post Office Address	4022 Kingridge Drive						
Post Office Address							
City	San Mateo	State	CA	ZIP	94403	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
Hans				Dohse			
Inventor's Signature	<i>Hans Dohse</i>			Date		9/6/00	
Residence: City	Sunnyvale	State	CA	Country	U.S.A.	Citizenship	U.S.A.
Post Office Address	1073 Sargent Dr						
Post Office Address							
City	Sunnyvale	State	CA	ZIP	94087	Country	U.S.A.
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
Dennis G.				Emge			
Inventor's Signature	<i>Dennis G. Emge</i>			Date		9/1/00	
Residence: City	Naperville	State	IL	Country	USA	Citizenship	Y
Post Office Address	1853 Paddington Ave						
Post Office Address							
City	Naperville	State	IL	ZIP	60563	Country	

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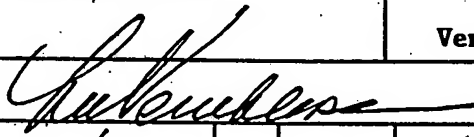
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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 3 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
John				Greene			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
Lee				Veneklasen			
Inventor's Signature						8/30/00	
Residence: City	Castro Valley	State	CA	Country	USA	Citizenship	USA
Post Office Address	3445 Baedding Rd.						
Post Office Address	Castro Valley, CA 94546						
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
Ming-Yie				Ling			
Inventor's Signature						Date	
Residence: City	Saratoga	State	CA	Country	U.S.A.	Citizenship	U.S.A.
Post Office Address	19584 Via Monte Drive						
Post Office Address							
City	Saratoga	State	CA	ZIP	95070	Country	U.S.A.

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional) <b>4765</b>							
<p>All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%; border-bottom: 1px solid black;">Name(s)</td> <td style="width: 60%; border-bottom: 1px solid black;">Registration Number</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Laura A. Majerus</td> <td style="border-bottom: 1px solid black;">33,417</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Trinidad Arriola Kern</td> <td style="border-bottom: 1px solid black;">44,012</td> </tr> </table>				Name(s)	Registration Number	Laura A. Majerus	33,417	Trinidad Arriola Kern	44,012
Name(s)	Registration Number								
Laura A. Majerus	33,417								
Trinidad Arriola Kern	44,012								
<p>Correspondence Address: Direct all communications about the application to:</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <input type="checkbox"/> Customer Number <span style="border: 1px solid black; display: inline-block; width: 150px; height: 20px; vertical-align: middle;"></span>  OR  Type Customer Number here </div> <div style="width: 35%; border: 1px solid black; padding: 5px; text-align: center;"> Place Customer Number Bar Code Label here </div> </div>									
<input checked="" type="checkbox"/> Firm or Individual Name	Fenwick & West LLP								
Address	Two Palo Alto Square								
Address									
City	Palo Alto	State	CA						
Country	U.S.A.								
Telephone	(650) 494-0600	Fax	(650) 494-1417						
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.</p>									
Full name of sole or first inventor (given name, family name) <b>Dan Meisburger</b>									
Inventor's signature									
Residence <b>1507 Montalban Drive</b> <b>San Jose, CA 95120-4830</b>		Date							
Post Office Address		Citizenship							
Full name of second joint inventor (given name, family name) <b>Alan D. Brodie</b>									
Inventor's signature		Date							
Residence <b>998 Van Auken Circle</b> <b>Palo Alto, CA 94303</b>		Citizenship							
Post Office Address									
Full name of third joint inventor (given name, family name) <b>Zhong-Wei Chen</b>									
Inventor's signature		Date <b>9/8/2000</b>							
Residence <b>1561 Blaney Avenue</b> <b>San Jose, CA 95129</b>		Citizenship							
Post Office Address									
<input checked="" type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto.									



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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>1</u> of <u>4</u>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))		Family Name or Surname					
Jack. Y.		Jau					
Inventor's Signature						Date	
Residence: City	Los Altos Hills	State	CA	Country	U.S.A.	Citizenship	
Post Office Address	11020 Magdalena Road						
Post Office Address							
City	Los Altos Hills	State	CA	ZIP	94024	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))		Family Name or Surname					
Paul		Sandland					
Inventor's Signature						15 SEP 2000	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))		Family Name or Surname					
Richard		Simmons					
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>1</u> of <u>4</u>
--------------------	---

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))		Family Name or Surname					
Jack Y.		Jau					
Inventor's Signature					Date		
Residence: City	Los Altos Hills	State	CA	Country	U.S.A.	Citizenship	
Post Office Address	11020 Magdalena Road						
Post Office Address							
City	Los Altos Hills	State	CA	ZIP	94024	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))		Family Name or Surname					
Paul		Sandland					
Inventor's Signature					Date		
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))		Family Name or Surname					
Richard		Simmons					
Inventor's Signature	Richard Simmons				Date	9-19-00	
Residence: City	Los Altos	State	CA	Country	USA	Citizenship	US
Post Office Address	44 Alvarado Avenue						
Post Office Address							
City	Los Altos	State	CA	ZIP	94022	Country	USA

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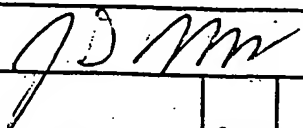
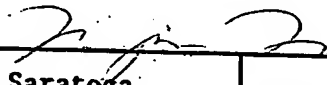
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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 3 of 4

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
John				Greene			
Inventor's Signature				Date		Sept 00	
Residence: City	State		Country		Citizenship		
Post Office Address							
Post Office Address							
City	State		ZIP		Country		
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
Lee				Veneklasen			
Inventor's Signature				Date			
Residence: City	State		Country		Citizenship		
Post Office Address							
Post Office Address							
City	State		ZIP		Country		
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
Ming-Yie				Ling			
Inventor's Signature				Date		9/5/00	
Residence: City	Saratoga	State	CA	Country	U.S.A.	Citizenship	U.S.A.
Post Office Address 19584 Via Monte Drive							
Post Office Address							
City	Saratoga	State	CA	ZIP	95070	Country	U.S.A.

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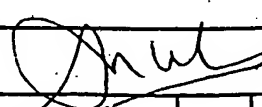
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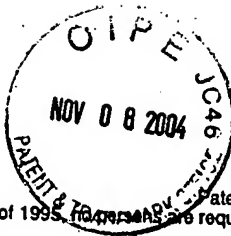
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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 4 of 4

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
Surendra G.				Lele			
Inventor's Signature				Date		8/31/2007	
Residence: City		Cupertino		State		CA	
				Country		U.S.A.	
Post Office Address		21763 Regnart Court Regnart					
Post Office Address							
City		Cupertino		State		CA	
				ZIP		95014	
				Country		U.S.A.	
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
Kirkwood				Rough			
Inventor's Signature				Date			
Residence: City				State			
				Country			
Post Office Address							
Post Office Address							
City				State			
				ZIP			
				Country			
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
Inventor's Signature				Date			
Residence: City				State			
				Country			
Post Office Address							
Post Office Address							
City				State			
				ZIP			
				Country			

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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 4 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
Surendra G.				Lele			
Inventor's Signature						Date	
Residence: City	Cupertino	State	CA	Country	U.S.A.	Citizenship	U.S.A.
Post Office Address	21763 Ragnart Court						
Post Office Address							
City	Cupertino	State	CA	ZIP	95014	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
Kirkwood				Rough			
Inventor's Signature						Date	9/8/00
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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**APPLICANTS:** Dan Meisburger, Alan D. Brodie, Zhong-Wei Chen, Jack Y. Jau, Paul Sandland, Richard Simmons, Dave E. A. Smith, Hans Dohse, Dennis G. Emge, John Greene, Lee Veneklasen, Ming-Yie Ling, Surendra G. Lele, Kirkwood Rough

**SERIAL NO.:** Continuation of 09/502,534

**PARENT FILING DATE:** February 10, 2000

**TITLE:** Inspecting Optical Masks With Electron Beam Microscopy

**EXAMINER:** Unknown

**GROUP ART UNIT:** Unknown

**APPY DKL INC.** 22120-08965

**CERTIFICATE OF MAILING**

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**Dated:** March 15, 2004

**By:** \_\_\_\_\_  
Laura A. Majerus, Reg. No. 33,417

**MAIL STOP PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
P. O. BOX 1450  
ALEXANDRIA, VA 22313-1450**

**PRELIMINARY AMENDMENT**

**Sir:**

This application is a continuation of pending application number 09/502,534, filed on February 10, 2000, which was a reissue application for patent no. 5,717,204 issued February 10, 1998, which is a continuation of 08/252,763, which is a CIP of 07/889,460, and is in response to the Notice of Appeal filed August 14, 2003, which established a non-statutory period for filing an



appellate brief that expired on March 14, 2004 (a Sunday). A fee for a five-month extension of time is included herewith.

## IN THE SPECIFICATION

After the section title "CROSS REFERENCE", but before the section title "FIELD OF THE INVENTION", please insert the following paragraph:

~~This application is a continuation of the U.S. Reissue Application Serial No. 09/502,534~~  
~~the subject matter of the present reissue application is related to co-pending reissue application~~  
entitled Inspecting Optical Masks With Electron Beam Microscopy, said application having  
~~Serial No. 09/502,120, which reissue application was also filed on February 10, 2000. The~~  
~~reissue application, Serial No. 09/502,534, and the co-pending reissue application, Serial No.~~  
~~09/502,120,~~ are each a reissue of U.S. Application No. 08/606,854 filed February 26, 1996, now  
U.S. Patent No. 5,717,204, which is a continuation of 08/252,763, which is a CIP of 07/889,460.

Please delete the paragraph at col. 11, lines 19-37 and replace it with the following:

--The diameter of the scanning beam 100 and its current are determined by several factors. The angular emission from the source (1.0 [Ma]mA/steradians), and the aperture angle defined by final aperture 99 determine the beam current. The probe diameter is determined by aberrations in both lenses, which are designed for high excitation (field width/focal length) to minimize both spherical and chromatic aberration. The effect of beam interactions (i.e. statistical blurring due to repulsion between individual beam electrons) are also important in this high current system, accounting for about half the probe size on substrate 57. These effects are minimized by avoiding intermediate crossovers, by using a short beam path (40 cm.) and by using lenses with relatively large half angles at the source and substrate 57. To obtain a given spot size, the aperture diameter is chosen to balance all these effects while providing maximum



+

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence during pendency of filed application)</i>	U.S. Department of Commerce Patent and Trademark Office	Application Number	10/801,362
		Filing Date	March 15, 2004
		First Named Inventor	Dan Meisburger
		Group Art Unit Number	1756
		Examiner Name	Unknown
Total Number of Pages in This Submission	19	Attorney Docket Number	22120-08965

ENCLOSURES (check all that apply)	
<input type="checkbox"/> Fee Transmittal Form (in duplicate) <input type="checkbox"/> Check Enclosed <input checked="" type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Response to Notice to File Missing Parts <input type="checkbox"/> Assignment & Recordation Cover Sheet <input checked="" type="checkbox"/> Copy of Declaration from 09/502,534 <input type="checkbox"/> Power of Attorney <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Information Disclosure Statement & PTO/SB/08A <input type="checkbox"/> Copies of IDS Cited References <input checked="" type="checkbox"/> 2 <sup>nd</sup> Request for Corrected Filing Receipt <input type="checkbox"/> Request for Correction of Recorded Assignment <input type="checkbox"/> Amendment/Response: [ ] Page(s) <input type="checkbox"/> After Final <input type="checkbox"/> Status Request <input type="checkbox"/> Revocation and Substitute Power of Attorney	<input type="checkbox"/> Issue Fee Transmittal <input type="checkbox"/> Letter to Chief Draftsperson <input type="checkbox"/> Formal Drawing(s): [ ] Sheet(s) of Figure(s) [ ] <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> After Allowance Communication to Group <input checked="" type="checkbox"/> Copy of Corrected Filing Receipt <input checked="" type="checkbox"/> Copy of pages 1-3 of Preliminary Amendment <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
REMARKS:	

SIGNATURE OF ATTORNEY OR AGENT			
Signature:	<i>Laura Majerus</i>		
Attorney/Reg. No.:	Laura A. Majerus, Reg. No. 33,417	Dated:	November 4, 2004

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Signature:	<i>Laura Majerus</i>		
Typed or Printed Name:	Laura A. Majerus	Dated:	November 4, 2004
Express Mail Mailing Number (optional):			